

Mapping the Courses studied at the AASTMT with the Sustainable Development Goals (SDGs)

The main aim of this initiative is to increase the implementation of the SDGs into the courses and modules provided by the AASTMT educational programs.

During the first term of the academic year 2020, starting in Fall Semester, the first step in this initiative was to create a benchmark by indicating the percentage of courses provided by the AASTMT educational programs adopts the SDGs. This is followed by a structured plan to increase the percentage to higher target by Fall 2021.

The initiative explores the sustainability status of the course offerings and to understand the interdisciplinary capacity in pursuing the SDGs at the AASTMT.

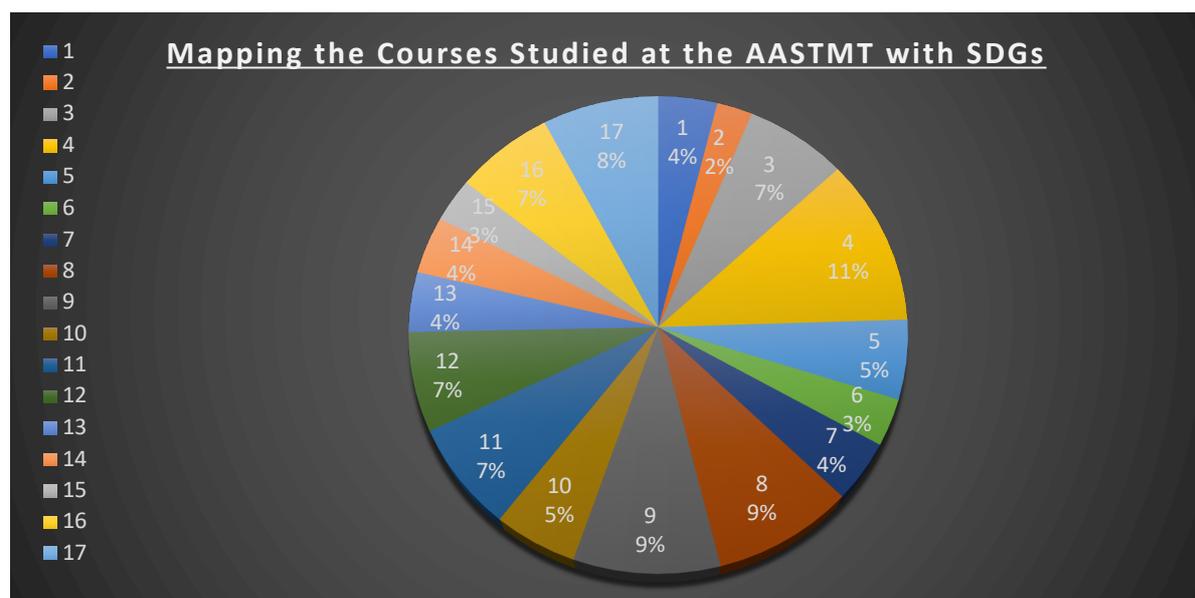
It also provides a significant benefit to AASTMT. First, to help faculty members better understanding of how their teaching materials are associated with SDGs and to raise their awareness on the topic. Second, to teach students about the relationship between their learning content and the SDGs. Finally, to help AASTMT establish a baseline of sustainability in their curriculum, so that we can plan our strategy for sustainability and prioritize resource allocation accordingly.

Methodology

1. Data collection—The Professors collect sustainability data of courses and map the courses to the suitable SDG;
2. Data analysis—Investigating the current curriculum associated with SDGs at the university level and virtualizing the results for interpretation;
3. Dimension analyzed—Based on the objectives, analysis was conducted to understand the distribution of SDGs-related courses at university level.

Results (Fall 2020)

At the university level, Mapping the curriculum to SDGs resulted in the courses achieved different percentages, as shown in the chart, the curriculum of AASTMT covers almost all SDGs, noting that there are some SDGs need to be more coherent in the curriculum, which are: SDG1, SDG2, SDG6, SDG7, SDG13, SDG14, SDG15. This is the first phase, and It is planned to further developing of SDGs in the curriculum. In addition, we found that it would be better to execute this study in a more accurate way, by implementing it at the college and department levels.



Recommendation

In the next phase (Fall 2021), We need to investigate the curriculum associated with SDGs in AASTMT at the department, college and university levels. The objectives of this study are:

- (1) establishing a baseline status of sustainability in the overall curriculum of AASTMT through the distribution of SDGs-related courses at different levels,
 - (2) understanding the interdisciplinary capacity of the faculty members in pursuing the SDGs and
 - (3) offering evidence-based practice for departments to reform their curriculum by integrating SDGs.
- The SDGs course inventory provides opportunities to gain insights into the whole structure of the curriculum framework, such that a university may plan its strategy for sustainability accordingly.